

DSEB-D16/SAS

All New 45nm Multi-Core Ready Platform with High Power Efficiency

ASUS recently announces a new server board DSEB-D16/SAS, the next-generation 45nm Intel® Xeon® 5400/5300/5200/5100 processor ready platform with the green design of 90%+ power efficiency. Featured with leading-edge technology including FSB 1600MHz, FB-DIMM 800MHz, PCI-Express Gen2 x16 and IOAT2, the DSEB-D16/SAS is the most out-performance server board which is ideal for enterprise-class and computing demanding applications.

 Specification

Processor / System Bus	2 * Socket LGA771 Quad-Core Intel® Xeon® 5400 Series (45nm) Quad-Core Intel® Xeon® 5300 Series Dual-Core Intel® Xeon® 5200 Series (45nm) Quad-Core Intel® Xeon® 5100 Series Dual Core/Quad Core FSB 667/1066/1333/1600MHz EM64T 2x2M, 4M & 8M L2 cache
Core Logic	Intel® 5400 Memory Controller Hub (MCH) Intel® 6321ESB I/O Controller Hub (ICH)
Form Factor	SSI EEB 3.61, 12" x 13"
ASUS Features	Smart Fan II, MemCool Support Rack Ready (Rack and Pedestal dual use) ASWM2.0
Memory	Total Slots: 16 (4-channel) Capacity: Maximum up to 64 GB Memory Type: Fully-Buffered DIMM DDR2 533/667/800 Reg. ECC Memory Size: 512 MB, 1G, 2G, 4G*
Expansion Slots (follow SSI Location #)	Total PCI/PCI-X/PCI-E Slots: 4 Slot Location 1: 1 * PCI-E x16 Gen2 Slot Location 2: 1 * PCI-E x8 slot (x8 link) Slot Location 3: 1 * PCI-E x16 Gen2 Slot Location 4: - Slot Location 5: - Slot Location 6: - Slot Location 7: - Additional Slot 1: 1 * SO-DIMM socket for optional ASMB3-SOL Additional Slot 2: 1 * PCI-X 100/133MHz (for LSI 8300XLP ZCR Card)
Storage	IDE Controller Intel® 6321ESB: 1 * IDE, support UltraATA 33 / 66 / 100 SATA Controller Intel® 6321ESB: 6 SATA2 300MB/s ports Intel Matrix Storage (for Windows only)

	(Support software RAID 0, 1, 10 & 5) SAS Controller LSI 1068 PCI-X 8-port SAS controller: LSI® Integrated RAID 0, 1, 1E support Optional LSI® ZCR(Zero-Channel-RAID) PCI-X card: (For upgrade to support hardware RAID 0, 1, 10, 5, 50)
Networking	LAN: Intel® 6321+ Intel® 82563EB Dual Port GbE 2 * Intel® 82573 GbE
Graphic	VGA: XGI Z9s PCI Display Controller 32MB
Onboard I/O Connectors	Floppy Connector: 1 PSU Connector: 24-pin ATX power connector + 8-pin ATX 12V power connector + 4-pin ATX 12V power connector Management Connector: SO-DIMM socket for ASMB3 USB Connectors: 1 (support 2 USB ports) Fan Header: 10 * 4Pin SMBus: 2 Chassis Intruder: 1 Front LAN LED: 2 Serial Port Header: 1
Rear I/O Connectors	External Serial Port: 1 External USB Port: 2 VGA Port: 1 RJ-45: 4 PS/2 KB/Mouse: 1
Management Solution	Software: ASWM2.0 Out of Band Remote Management: Optional (ASMB3-SOL)
Monitoring	CPU Temperature FAN RPM
EMI	US (FCC, CFR47 Part 15, Class B) Europe (CE, EN55022 & EN55024) Australia (C-TICK)

The product (electrical , electronic equipment, Mercury-containing button cell battery) should not be placed in municipal waste. Check local regulations for disposal of electronic products.

- * All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.
- * PCB color and bundled software versions are subject to change without notice.
- * Brand and product names mentioned are trademarks of their respective companies.